

Title (en)
RECOVERY OF TITANIUM DIOXIDE FROM TITANIUM OXIDE BEARING MATERIALS LIKE STEELMAKING SLAGS

Title (de)
WIEDERGEWINNUNG VON TITANIUMDIOXID AUS TIO₂-REICHEN ROHSTOFFEN WIE SCHLACKEN DER STAHLHERSTELLUNG

Title (fr)
EXTRACTION DE DIOXYDE DE TITANE DE MATIERES CONTENANT DE L'OXYDE DE TITANE, TELLES QUE DES SCORIES DESTINEES A LA PRODUCTION D'ACIER

Publication
EP 1341939 B1 20050928 (EN)

Application
EP 01936718 A 20010612

Priority

- IB 0101020 W 20010612
- ZA 200007400 A 20001212
- ZA 200007773 A 20001221

Abstract (en)
[origin: US7462337B2] A method of recovering titanium dioxide from a titanium oxide bearing raw material, such as e.g. steel slags rich in TiO₂ includes the steps of grinding the titanium dioxide raw material, reacting the particulate raw feed material with sulphuric acid under specified conditions, digesting and filtering the resultant cake material containing titanyl sulphate, hydrolysing the titanyl sulphate and, after washing the hydrolysate, calcining the hydrolysate to produce titanium dioxide.

IPC 1-7
C22B 34/12; **C22B 7/04**; **C22B 3/08**; **C01G 23/047**; **C01G 23/053**

IPC 8 full level
C01G 23/047 (2006.01); **C01G 23/053** (2006.01); **C22B 7/04** (2006.01); **C22B 34/12** (2006.01)

CPC (source: EP US)
C01G 23/0475 (2013.01 - EP US); **C01G 23/0532** (2013.01 - EP US); **C22B 7/04** (2013.01 - EP US); **C22B 34/125** (2013.01 - EP US); **C22B 34/1259** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US); **Y02P 20/129** (2015.11 - EP US)

Cited by
EP3167087A4; EP3167085A4; EP3167086A4; WO2016007020A1; WO2016007021A1; US10287176B2; US10294117B2; US10407316B2

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